What is claimed is:

1. An image data creating method for creating image data representing a single complete image by combining a plurality of image data groups, each representing a

5   portion of said image with a common region being shared with each other,

wherein said image data representing said complete image are created by adopting either of a plurality of image data belonging to said respective image data groups

10   and representing the same position in said common region of said complete image as the image data representing each of the positions in said common region.

2. The image data creating method according to claim 1, wherein said method is adapted to select the image

15   data at random and further in such a way that the image data located closer to the end of said image data group are selected at a lower selection rate in adopting either of said plurality of image data.

3. An image data creating apparatus for creating

20   image data representing a single complete image by combining a plurality of image data groups, each representing a portion of said image with a common region being shared with each other,

wherein said image data representing said complete

25   image are created by adopting either of a plurality of image data belonging to said respective image data groups

and representing the same position in said common region of said complete image as the image data representing each of the positions in said common region.

4. The image data creating apparatus according to claim 3, wherein said apparatus is adapted to select said image data at random and further in such a way that the image data located closer to the end of said image data group are selected at a lower selection rate in adopting either of said plurality of image data.

5. An image data creating method for creating image data representing image information carried by an image carrier by detecting the light emitted from said image carrier with a linear detecting means formed of a plurality of sensors disposed in the main scanning direction such that the light receiving sections disposed on the end portion of each of said plurality of sensors detect the light emitted from the same position of the image carrier in duplicate, with said image carrier being moved in the sub-scanning direction that crosses the main scanning direction with respect to said linear detecting means,

wherein said image data representing said complete image information are created by adopting the image data obtained by either of the light receiving sections of said plurality of sensors that have detected the light emitted from the same position in duplicate as the image

data representing the position the light therefrom has been detected in duplicate.

6. The image data creating method according to claim 5, wherein said method is adapted to select the image data at random and further in such a way that the image data obtained by a light receiving section located closer to the end of the sensor are selected at a lower selection rate in selecting the image data obtained by either of said plurality of light receiving sections that have detected the light in duplicate.

7. An image data creating apparatus comprising:

a linear detecting means formed of a plurality of sensors disposed in the main scanning direction such that light receiving sections located on the end portion of each of said plurality of sensors detect the light emitted from the same position of an image carrier in duplicate;

a scanning means for moving said image carrier in the sub-scanning direction that crosses the main scanning direction with respect to said linear detecting means; and

an image data creating means for creating image data representing image information carried by said image carrier based on the image data obtained by said linear detecting means by detecting the light emitted from said image carrier with said image carrier being moved in the sub-scanning direction that crosses the main scanning

direction with respect to said linear detecting means,

wherein said image data creating means comprises an image data selecting means for selecting the image data obtained by either of said light receiving sections

5   of said plurality of sensors that have detected the light emitted from the same position in duplicate as the image data representing the position the light therefrom has been detected in duplicate, and the image data representing said complete image information are created

10   by adopting the image data selected by said image data selecting means as the image data representing the position the light therefrom has been detected by said light receiving sections of said plurality of sensors in duplicate.

15   8. The image data creating apparatus according to claim 7, wherein said image data selecting means is adapted to select the image data at random and further in such a way that the image data obtained by the light receiving section located closer to the end of said sensor

20   are selected at a lower selection rate in selecting the image data obtained by either of said plurality of light receiving sections that have detected the light in duplicate.

9. The image data creating apparatus according to

25   claim 7, wherein said image data selecting means is adapted to select the image data from the plurality of

image data obtained by said plurality of light receiving sections that have detected the light emitted from the same position in duplicate based on a predetermined selection rate which is defined such that the image data

5   obtained by the light receiving section located closer to the end of said sensor are selected at a lower selection rate.

10. The image data creating apparatus according to claim 8, wherein said selection rate is approximately

10   0% for the image data obtained by the light receiving section located at the end of said sensor, approximately 100% for the image data obtained by the light receiving section that has detected the light in duplicate located at the far end from the end of said sensor, and is varied

15   linearly for the image data obtained by the light receiving section located therebetween from 0% to 100% according to the location of said light receiving section.

11. The image data creating apparatus according to

20   claim 9, wherein said selection rate is approximately 0% for the image data obtained by the light receiving section located at the end of said sensor, approximately 100% for the image data obtained by the light receiving section that has detected the light in duplicate located

25   at the far end from the end of said sensor, and is varied linearly for the image data obtained by the light

receiving section located therebetween from 0% to 100% according to the location of said light receiving section.

12. The image data creating apparatus according to claim 8, wherein said selection rate is approximately 0% for the image data obtained by the light receiving section located at the end of said sensor, approximately 100% for the image data obtained by the light receiving section that has detected the light in duplicate located at the far end from the end of said sensor, and is varied nonlinearly for the image data obtained by the light receiving section located therebetween from 0% to 100% according to the location of said light receiving section.

13. The image data creating apparatus according to claim 9, wherein said selection rate is approximately 0% for the image data obtained by the light receiving section located at the end of said sensor, approximately 100% for the image data obtained by the light receiving section that has detected the light in duplicate located at the far end from the end of said sensor, and is varied nonlinearly for the image data obtained by the light receiving section located therebetween from 0% to 100% according to the location of said light receiving section.

14. The image data creating apparatus according to

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claim 8, wherein said selection rate is directly proportional to the distance from the end of said sensor to the light receiving section that has detected the light in duplicate.

5   15. The image data creating apparatus according to claim 9, wherein said selection rate is directly proportional to the distance from the end of said sensor to the light receiving section that has detected the light in duplicate.

10   16. The image data creating apparatus according to claim 10, wherein said selection rate is directly proportional to the distance from the end of said sensor to the light receiving section that has detected the light in duplicate.

15   17. The image data creating apparatus according to claim 11, wherein said selection rate is directly proportional to the distance from the end of said sensor to the light receiving section that has detected the light in duplicate.